

# Lenco

## 22" Full High Definition LED TV



### User Manual

[www.lenco.com](http://www.lenco.com)



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## IMPORTANT SAFETY INSTRUCTIONS

- **Read these instructions** – All the safety and operating instructions should be read before this product is operated.
- **Keep these instructions** – The safety and operating instructions should be retained for future reference.
- **Heed all warnings** – All warnings on the appliance and in the operating instructions should be adhered to.
- **Follow all instructions** – All operating and use instructions should be followed.
- **Do not use this apparatus near water** – The appliance should not be used near water or moisture – for example, in a wet basement or near a swimming pool.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart or rack is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
- Unplug the apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as the power supply cord or plug is damaged, liquid has been spilled, or objects have fallen into the apparatus, or the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Please keep the unit in a well-ventilated environment.
- **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus should not be exposed to dripping or splashing. Objects filled with liquids, such as vases should not be placed on the apparatus.
- **WARNING:** The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- **WARNING:** The wall socket plug is used as disconnect device, the disconnect device shall remain readily operable.
- **WARNING:** The direct plug-in adapter is used as disconnect device, the disconnect device shall remain readily operable.
- **WARNING:** To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instruction.



- This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.
- Warning: To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.
- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.



This product contains electrical or electronic materials. The presence of these materials may, if not disposed of properly, have potential adverse effects on the environment and human health. Presence of this label on the product means it should not be disposed of as unsorted waste and must be collected separately. As a consumer, you are responsible for ensuring that this product is disposed of properly.

**HDMI:** This TV incorporates High-Definition Multimedia Interface (HDMI™) technology. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

To ensure reliable and safe operation of this equipment, please carefully read all the instructions in this user guide, especially the safety information below.

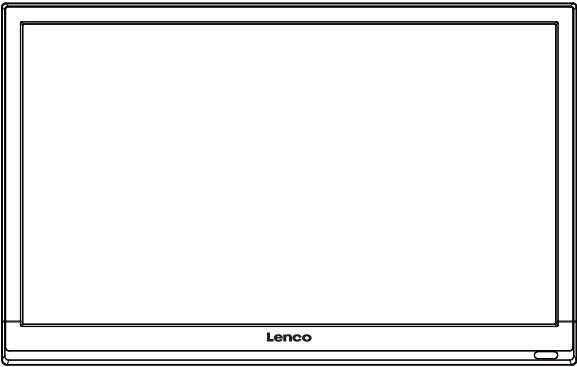
### Electrical Safety

- The TV set should only be connected to a main power supply with voltage that matches the label at the rear of the product.
- To prevent overload, do not share the same power supply socket with too many other electronic components.
- Do not place any connecting wires where they may be stepped on or tripped over.
- Do not place heavy items on any connecting wire, which may damage the wire.
- Hold the main plug, not the wires, when removing from a socket.
- During a thunderstorm, or when not using the television for extended period of time, turn off the power switch on the back of the television.
- Do not allow water or moisture to enter the TV or power adapter. Do NOT use in wet, moist areas, such as bathrooms, steamy kitchens or near swimming pools.
- Pull the plug out immediately, and seek professional help if the main plug or cable is damaged, liquid is spilled onto the set, if the TV set accidentally exposed to water or moisture, if anything accidentally penetrates the ventilation slots or if the TV set does not work normally.
- Do not remove the safety covers. There are no user-serviceable parts inside. Trying to service the unit yourself is dangerous and may invalidate the product's warranty. Qualified personnel must only service this apparatus.
- To avoid a battery leakage, remove batteries from the remote control, when the remote is not use for long period, or when the batteries are exhausted.
- Do not break open or throw exhausted batteries into a fire.

### Physical Safety

- Do not block ventilation slots in the back cover. You may place the TV in a cabinet, but ensure at least 5cm (2") clearance all around.
- Do not tap or shake the TV screen, or you may damage the internal circuits. Take good care of the remote control.
- To clean the TV use a soft dry cloth. Do not use solvents or petroleum based fluids.
- Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade, or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs.
- Unplug the apparatus during lightning storms or when unused for long periods.
- Refer all servicing to a qualified service personnel. Servicing is required if the apparatus does not operate normally or if the apparatus, including the power supply cord or plug, has been damaged in any way.
- Servicing is also required if liquid has been spilled, or objects have fallen into the apparatus; when the apparatus has been exposed to rain or moisture; or if the apparatus has been dropped.
- Always connect your television to a power outlet with protective ground connection.

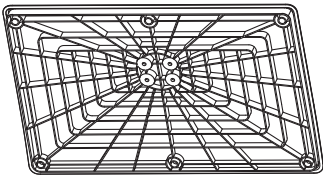
What is Included



TV Set



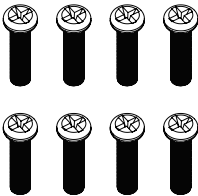
Remote Control with Batteries



Base Stand



Stand Support



Eight Screws



Mini AV connection cable

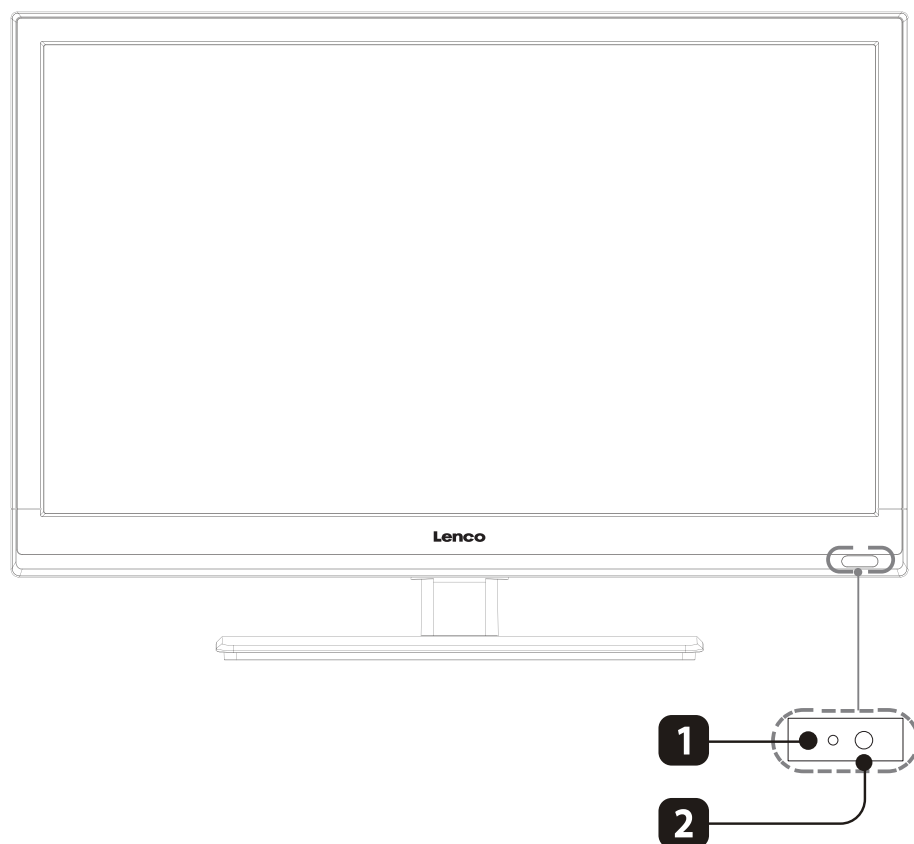


Mini YPbPr connection cable

SCART-Adapter



Quick Start Guide

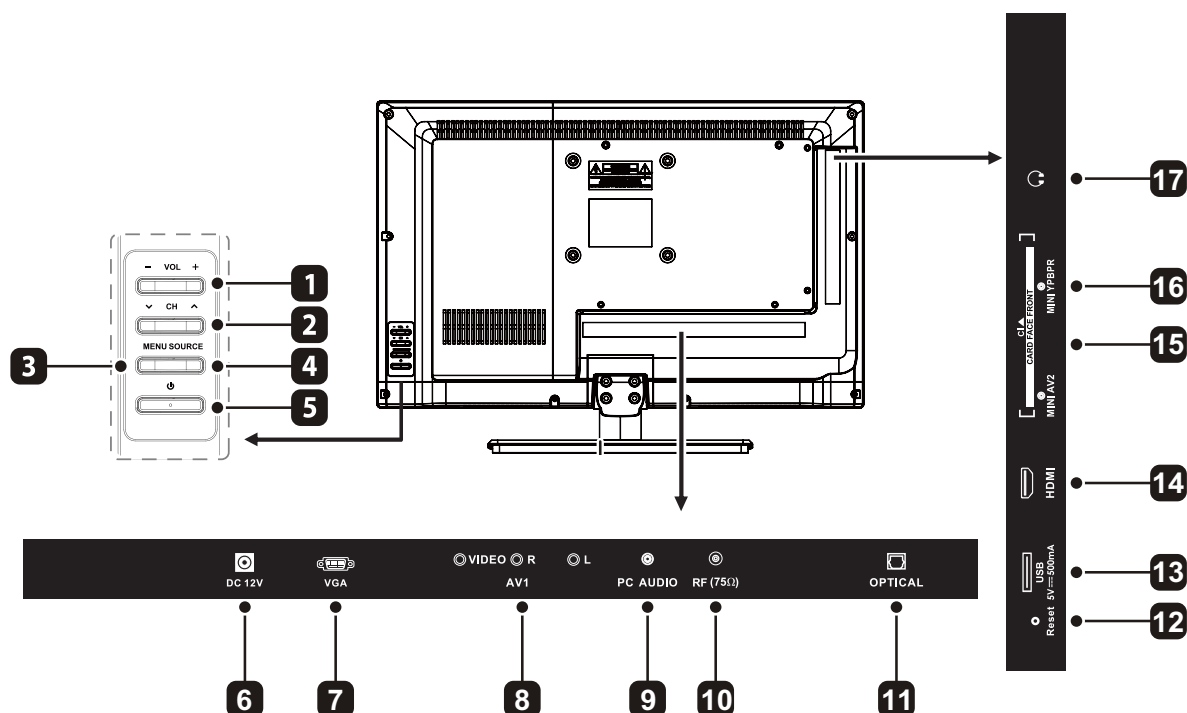
**Front View****1. POWER Indicator**

Illuminates blue when the TV is turned on. Illuminates red when the TV is in standby mode.

**2. IR (Infrared Receiver)**

Receive IR signals from the remote control.

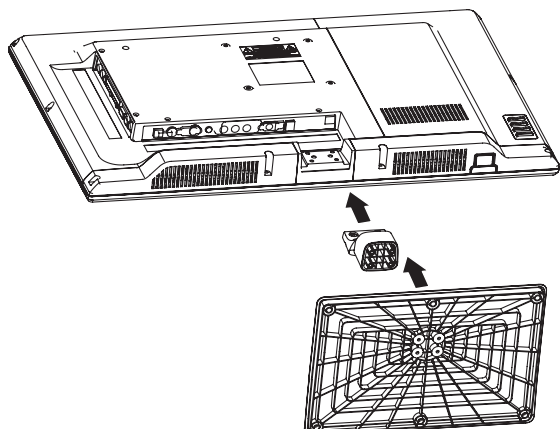
## Rear View



1. **VOL +/-**  
Press to adjust the volume.
2. **CH ^/v**  
Press to select a channel.
3. **MENU**  
Display the OSD (on screen display) menu.
4. **SOURCE**  
Press to select among different input signal sources.
5. **POWER**  
Switch the TV between On/Standby mode.
6. **DC 12V**  
Connect to AC/DC adapter(12V/3A).
7. **VGA Input**  
Connect to a computer or other devices with a VGA interface.
8. **AV Input**  
Connect to the composite VIDEO and AUDIO (L/R) output sockets on external video devices.
9. **PC AUDIO Input**  
Connect to a computer audio output.
10. **RF(75Ω) Input**  
Connect to the antenna (75Ω VHF/UHF) socket with the RF coaxial cable.
11. **OPTICAL Digital Audio Output**  
Connect to the audio socket on the digital audio system.
12. **REST**  
Restore factory settings.
13. **USB Port**  
Connect to a USB storage device to play compatible audio and photo files. (USB mode).
14. **HDMI Inputs**  
Connect to a High-Definition (HD) signal output device.
15. **CI Slot**  
Used to insert a CI card. A CI card allows you to view all the channels that you subscribe to.
16. **MINI YPBPR**  
Connect to AV devices with component (Y/Pb/Pr) video and audio output sockets. COMPONENT&VIDEO share with AUDIO IN(L/R).
17. **Headphone Socket**  
Connect to the Headphones.

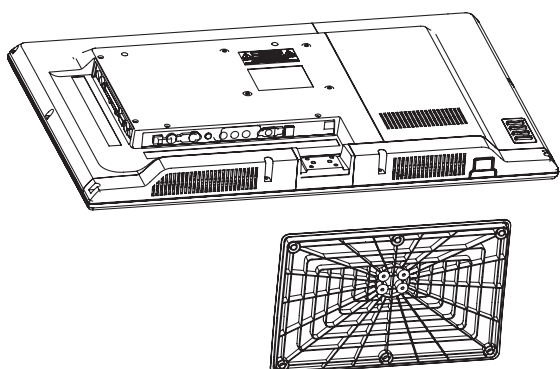


## Installing the Base Stand



- 1. Lay the TV face-down on a flat, cushioned surface to avoid damaging or scratching.
- 2. Fix the stand support to the TV using the 4 pcs provided screws.
- 3. Fix the base stand to the TV using the 4 pcs provided screws.

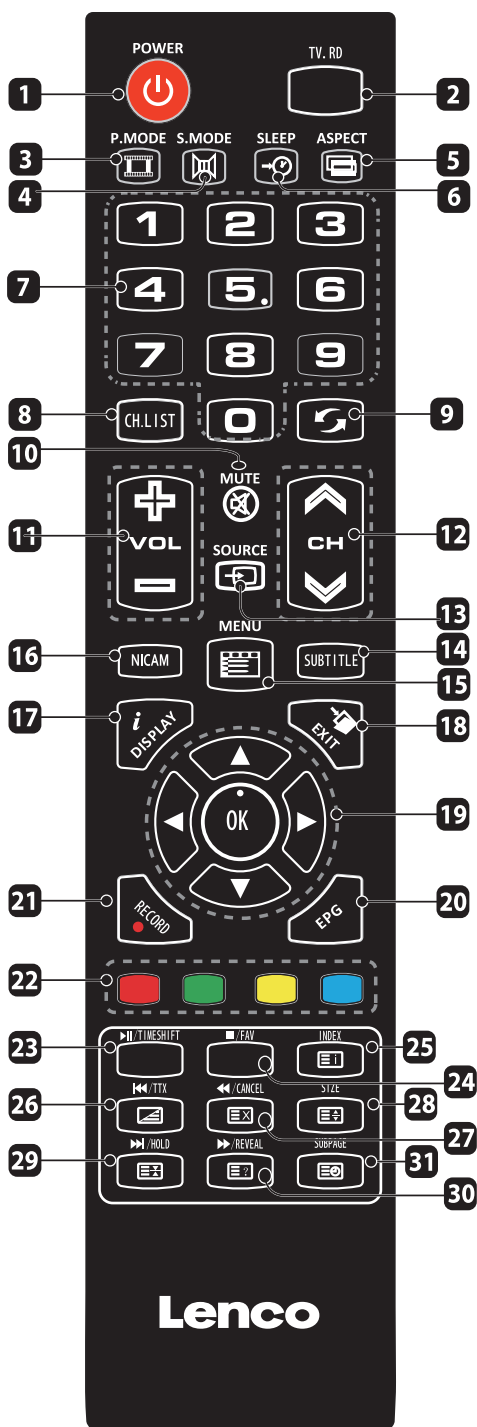
## Removing the Stand for Wall-Mounting



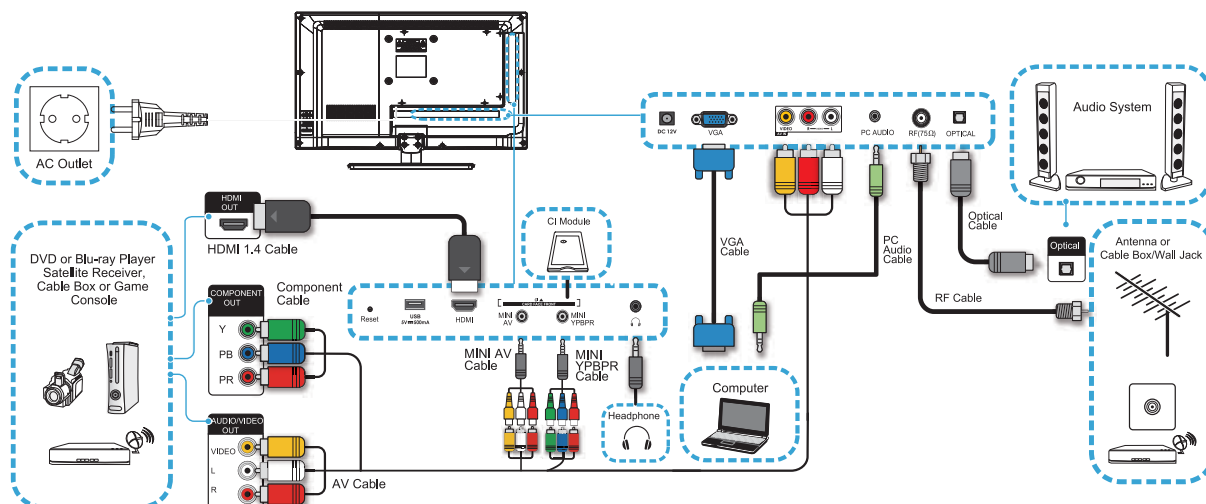
- 1. Lay the TV face-down on a flat, cushioned surface to avoid damaging or scratching.
- 2. Untighten the 4pcs screws holding the stand assembly and remove them.
- 3. Attach the wall-mount bracket to the TV using the mounting holes on the back of the TV. Mount this TV according to the instructions included in the wall-mount bracket.

**WARNING:** This apparatus is intended to be supported by UL Listed wall mount bracket.

## Remote Control



1. **POWER**: Switches the TV between on and standby mode.
2. **TV.RD**: Select TV program or Radio program. (DTV mode).
3. **P.MODE**: Select picture mode: Dynamic / Standard / Mild / Use.
4. **S.MODE**: Select sound mode: Standard / Music / Movie / Use.
5. **ASPECT**: Select from the following mode settings: 16:9 / Zoom1 / Zoom2 / Auto / 4:3.
6. **SLEEP**: Set the TV sleep timer.
7. **0-9 Number Buttons**: Press to select a programme. (ATV / DTV mode)
8. **CH.LIST**: Display channel list. (ATV / DTV mode)
9. **Return**: Return to the previous viewing channel. (ATV / DTV mode)
10. **MUTE**: Mutes and restores your TV sound.
11. **VOL+/-**: Adjust the volume.
12. **CH ^/v**: Select a channel.
13. **SOURCE**: Select among the different input signal sources: DTV / ATV / AV / SCART / YPbPr / HDMI1/HDMI2/HDMI3 / PC / USB .
14. **SUBTITLE**: Display the subtitle which is broadcast with the program. (DTV mode)
15. **MENU**: Display the OSD'on screen display'menu.
16. **NICAM**: Switch between different audio channels (only applicable when the TV programme has this feature).
17. **DISPLAY**: Display the present screen information such as the current channel and the input source.
18. **EXIT**: Exit the OSD (On Screen Display) menu.
19. **Left/Right/Up/Down**: Allows you to navigate the OSD menus and adjust the system settings to your preference.  
**OK**: Confirm the selection in the OSD menus.Display a list of channels saved in the TV tuner memory.
20. **EPG**: Display the EPG (Electronic Program Guide). (DTV mode)
21. **Record**: Record the current programme. (DTV mode)
22. Press the button to select corresponding function on the screen.
23. **II**: Press to start playback or pause.(USB Mode)  
**TIMESHIFT**: Turn on and off the Timeshift function.(DTV Mode)
24. **Stop**: Press to stop playback.(USB Mode)  
**FAV**: Display the Favourite Channel list.(ATV/DTV Mode)
25. **INDEX**: Press to select the page number of the INDEX from teletext.(ATV/DTV Mode)
26. **TTX**: Turn on and off the teletext function.(ATV/DTV Mode)  
**Left**: Press to skip to the beginning of the previous chapter or track.(USB mode)
27. **CANCEL**: To exit the teletext mode.(ATV/DTV Mode)  
**Fast Rewind**: Press to fast rewind.(USB Mode)
28. **SIZE**: To enlarge the picture on the TV in teletext. (ATV / DTV mode)
29. **HOLD**: Freeze a multi-page passage on the screen in Teletext.(ATV/DTV Mode)  
**Right**: Press to skip to the beginning of the next chapter or track.(USB Mode)
30. **REVEAL**: Reveal hidden information such as the answer to a quiz in Teletext.(ATV/DTV Mode)  
**Right**: Press to advance playback rapidly.(USB Mode)
31. **SUBPAGE**: Displays the subpage on the teletext screen. (ATV / DTV mode)



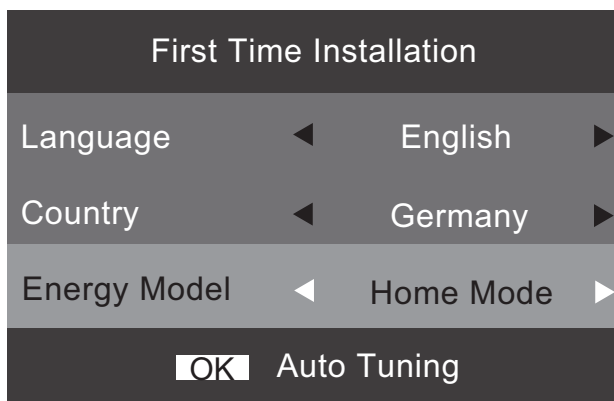
## Initial installation for DVB-C

- The menu INITIAL INSTALLATION appears for the first commissioning after purchase. The initial installation can be repeated at all times (see below).
- **Preparation:** Disconnect the TV unit from the power supply. Then connect the DVB-C antenna of the cable provider. Then connect the power supply and switch on the TV unit. Take the supplied remote control in hand.

**1** Choose the **OSD language** with the cursor keys (▲ or ▼). Then set the language e.g. **English**, with ◀ or ▶.

Select **Country** with ▲ or ▼. Then set the country e.g. Germany, with ◀ or ▶.

Select **Energy Model** with ▲ or ▼. Then set **Home Mode** or **Store Mode** with ◀ or ▶.



Home Mode = Energy saving/ Store Mode = Max. brightness

A message will appear after selecting **Store mode**: “Would you like to exit the Home Mode?”

Select Store Mode with ◀ and back to Home Mode with ▶.

**2** Press **OK**. Choose **Tune type** with ▲ or ▼.

Then set **DTV** with ◀ or ▶.

Select Digital type with ▲ or ▼.

Then set DVB-C with ◀ or ▶.

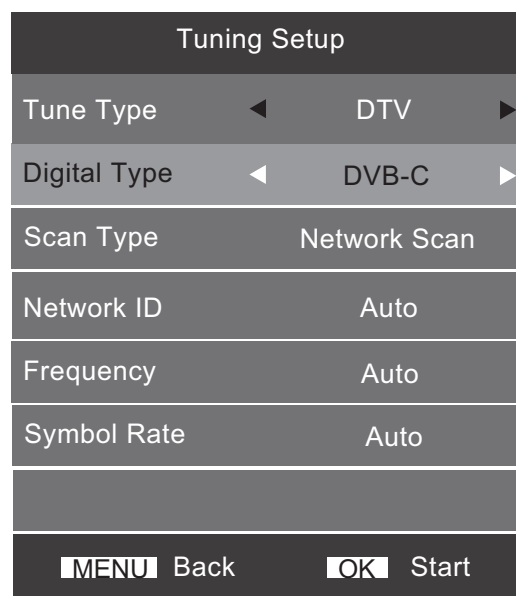
Select **Scan type** with ▲ or ▼.

Then set **Network Search...** or **Full** with ◀ or ▶.

Select Network search. = if supported by cable provider.

Full = if **Network Search..** does not store all channels.

Network ID, frequency and symbol rate will remain set to **Auto** by which all channels can be found.




- 3** Press **OK**. The channel search starts.  
After 100% is reached, there can be a gap of up to 1 minute till the menu option ,Search' automatically disappears.

A DVB-C channel will appear if the antenna system is setup without

### Repeat Auto-installation:

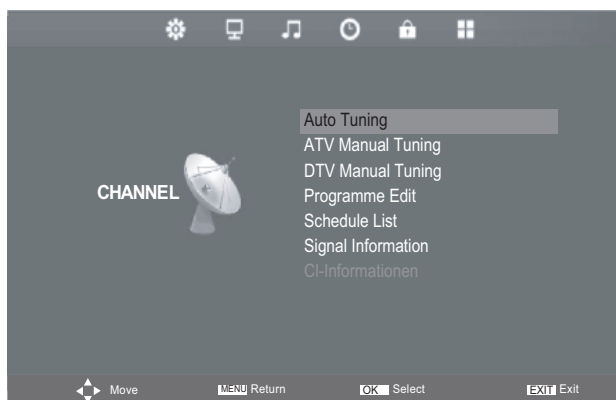
Switch-on the TV. Press **MENU** button. Select CONFIGURATION with ◀ or ▶. Select FIRST INSTALLATION with ▲ or ▼.. Then press **OK**. Proceed with step 1 (see above).any errors.  
If another menu appears, press **EXIT**. ALL DVB-C channels are now stored.

Auto Tuning Status			
TV	:	0	Programme
DTV	:	0	Programme
Radio	:	0	Programme
Data	:	0	Programme
5	%...	134.00 MHz	(TV)
			
Please press MENU key to skip			

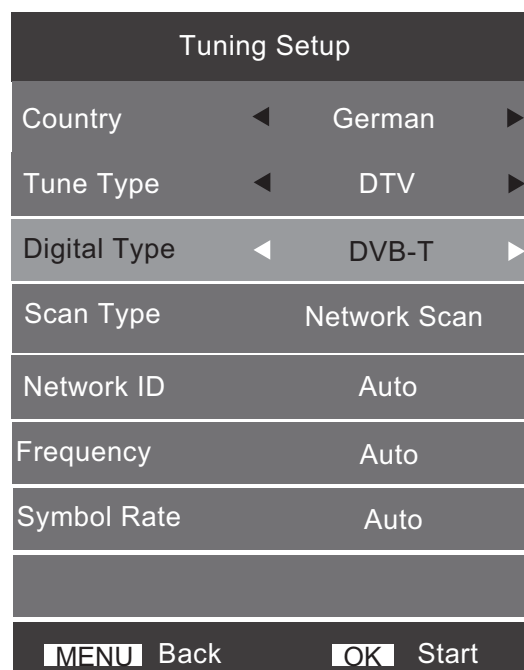
## DVB-T Channel Setting

- The TV unit stores either DVB-C channels or DVB-T channels. If DVB-C channels are already stored then they are deleted when the DVB-T channels are set. DVB-T channels are stored/set in place of DVB-C channels.
- Preparation:** Disconnect the TV from the power supply. Then connect the DVB-T antenna. Then connect the TV with power supply and switch it on. Press SOURCE button. Select DTV with ▲ or ▼. Press OK.

- Press **MENU** button.  
Select **Auto Tuning** with the cursor keys ( ▲ or ▼.)Then press **OK**.



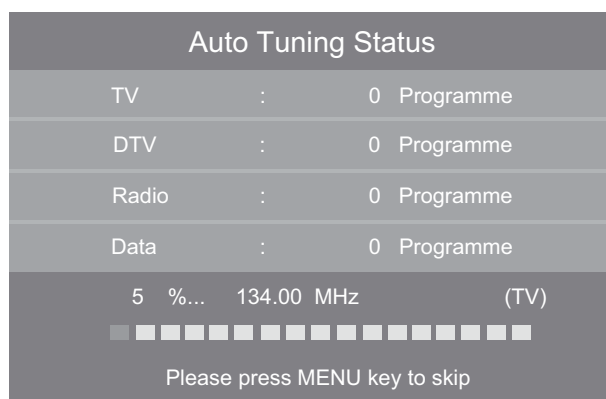
- Select Country with ▲ or ▼ .. Then set the country e.g. Germany with ◀ or ▶.  
Select Reception type with ▲ or ▼ .. Then set **DTV** with ◀ or ▶.  
Select **Digital Type** with ▲ or ▼ .. Then set **DVB-T** with ◀ or ▶.



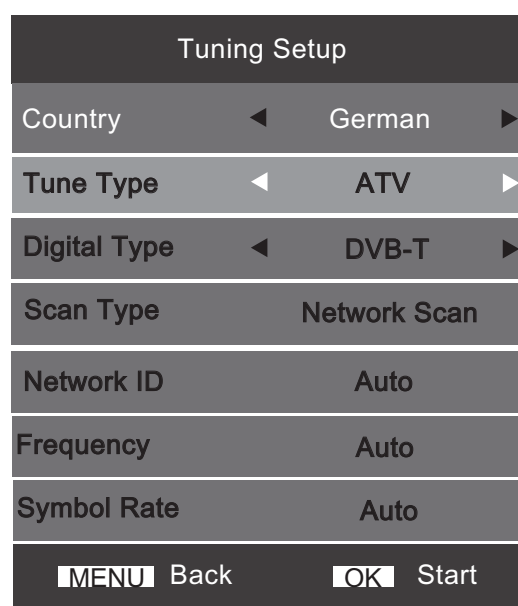
- Press **OK**. The channel search starts.  
After 100% is reached, there can be a gap of up to 1 minute till the menu option ,Search' automatically disappears.

A DVB-T channel will appear if the antenna system is setup without any errors.

If another menu appear, press **EXIT**.  
All DVB-T channels are now stored.



- 3** Press **OK**. The channel search starts.
- After 100% is reached, there can be a gap of up to 1 minute till the menu option ,Search' automatically disappears.



If another menu appears, press **EXIT**. All analogue cable channels available at the antenna location are now stored.

EN 15

- Child Lock is a function of the DVB channels planned for the future. It will function only when it is supported by the channel.

- 1** Press button MENU. Select ,Block system' with ◀ or ▶, select Block System with ▼ and then press OK. The following appears: Enter Password.
- 2** Enter 0000 with the digit keys (0-9). 0000 is the password set by the manufacturer. Subsequently activate/deactivate ,System Lock' with the OK button. The settings for child lock, blocking channels and blocking keys (see below) will be effective only when ,Lock system' is activated. Channel search and Edit Programs are also automatically blocked then.

### **3 Child Lock:**

Select ,Child Lock' with ▲/▼ then press OK. Select a child lock level with ▲/▼, e.g. 18. Then press OK. If a channel with a corresponding child lock code is received (not supported by any channel currently), then the program is blocked. A password input dialogue will be displayed. The program can be viewed only when the correct password is entered.

#### **Password setting:**

Change the preset password (0000) to your own password in order to

1. Protect the password against unauthorized change;
2. To protect the Hotel mode against unwanted access.

#### **Attention!**

If someone else comes before you and changes the password then you will be standing in front of a locked TV! Therefore you should change the password yourself. It can be done as follows:

Select ,Set password' with ▲/▼ and then press OK.

1. Enter the old password. It is 0000 for the first installation.
2. Enter a new password and write it down at a secure location. Call the customer care if you have lost the new password or if it has been misplaced by a third person. The TV unit must be then taken to the service center.
3. Re-enter the new password. The password is now changed and is known only to you. A third party will not know this password and therefore cannot change it without your permission.



**Block Channels:**

Select 'Block channels' with ▲/▼ and then press OK. Select a channel with ▲/▼ and then press the green button. A lock icon will appear next to the channel name. If the channel is selected then a menu will appear to enter the password. The channel cannot be viewed without entering the password.

**Key Lock:**

Select the 'Key Lock' with ▲/▼. Activate/deactivate the key lock with OK. If the 'key lock' is active then all buttons (including the RESET button) on the TV do not function.

**Hotel Mode:**

Select 'Hotel Mode' with ▲/▼ and then press OK. The Hotel menu appears. Press OK to activate the 'Hotel Mode'. The Hotel mode is thus active. 'System Lock' (see above) must not be active. The company password 0000 must be changed (see above) to prevent unauthorized changes to the Hotel mode. Set the Hotel menu as you wish to. 'Export Database' helps in cloning the fully set and programmed TV unit. 'Import database' reads the data of a cloned unit.

**Backlight:**

Select 'Backlight' with ▲/▼. Change the value from 1 to 10 with ◀ or ▶. 1 = lowest brightness and lowest power consumption, 10 = maximum brightness and maximum power consumption (more than the advertised energy efficiency class), 8 = default setting for Home mode with the advertised energy efficiency class).

**4** Press **EXIT** to exit the menu.

The following options are available: Delete channels (Delete), change sequence (Move), mark to skip (Skip), add to Favorites (FAV).

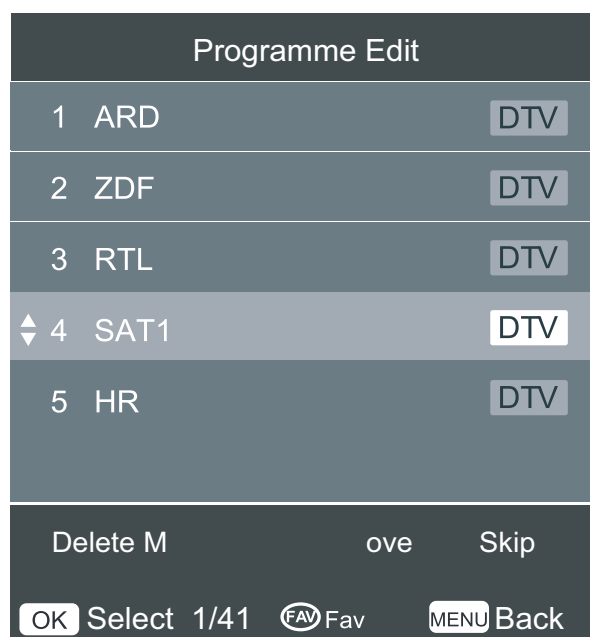
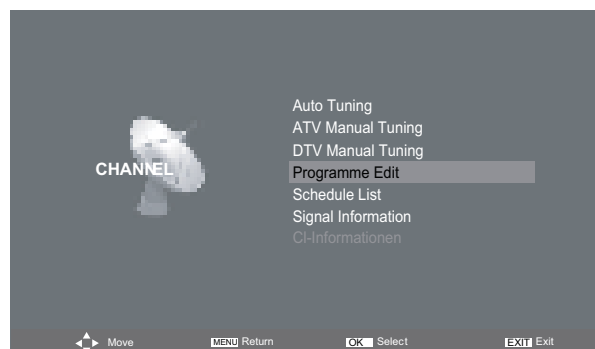
**1** Press SOURCE button and select DTV.

Press MENU button

Select **Edit Programs** with cursor keys (▲/▼).

Then press **OK**.

**2** Select the program to be edited with ▲/▼ or with ◀ or ▶. Press the red button to delete. The selected program is deleted without asking. Press the yellow button to move. The yellow marking of the row becomes larger. Then enter the new desired program/channel numbers with the digit keys. The number entered appears in red color next to the program/channel names. Or move the yellow row with ▲/▼ to the desired position. Then press **OK**. The yellow marked row becomes smaller. To skip channel, search as above, then press the blue button. A symbol appears next to the program names only in the Edit Channels/Programs list. The program/channel marked as such will then skip upon proceeding with the CH button. To add to favorites list, search the channel as above then press the FAV button. A red heart symbol will appear next to the channel name.



The following options are available: Delete channels (Delete), rename (Change), change sequence (Move), mark to skip (Skip), add to Favorites (FAV).

1 Press SOURCE button and select ATV.

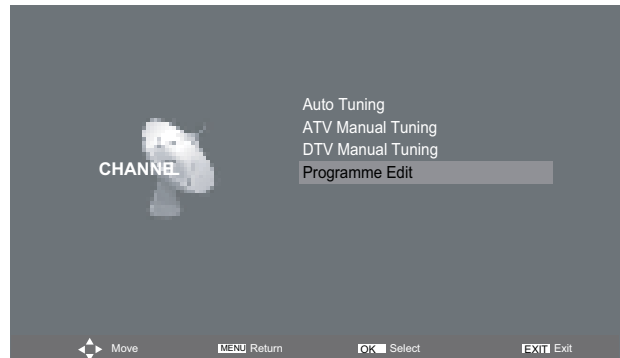
Press **MENU** button

Select **Edit Programs** with cursor keys (▲/▼).

Then press OK.

2 Select the program to be edited with ▲/▼ or with ◀ or ▶. Press the red button to delete. The selected program is deleted without asking. To change press the green button. The part of the name to be changed starts blinking. Change with ▲/▼, select another part of the name with ▲/▼. Max. 5 characters possible. Press the yellow button to move. The yellow marking of the row becomes larger. Move the yellow row with ▲/▼ to the desired position. Then press OK. The yellow marked row becomes smaller.

To skip channel, search as above, then press the blue button. A symbol appears next to the program names only in the Edit Channels/Programs list. The program/channel marked as such will then skip upon proceeding with the CH button. To add to favorites list, search the channel as above then press the FAV button. A red heart symbol will appear next to the channel name.



Programme Edit		
1	ARD	ATV
2	ZDF	ATV
3	RTL	ATV
4	SAT1	ATV
5	HR	ATV
Delete    Rename    Move    Skip		
OK Select	1/1	FAV Fav    MENU Back

Select input source: Press **SOURCE** button. Select the desired input with ▲ or ▼.  
Then press **OK**.

**Channel selection:** Press SOURCE button. Then select ATV or DTV.

**With digits (0-9).**

Example: No. **2**: Button **2** / No. **29** : Button **2** and press button **9** within **2** seconds.

No. **929**: Press **9,2,9** as above.

**Changing channels with CH ▲ or ▼:** This takes about **2** seconds. If only **5** channels have been saved during the automatic channel search, then only these **5** channels will be seen. Channels marked for skipping will not be seen (see S.17).

### Channel List

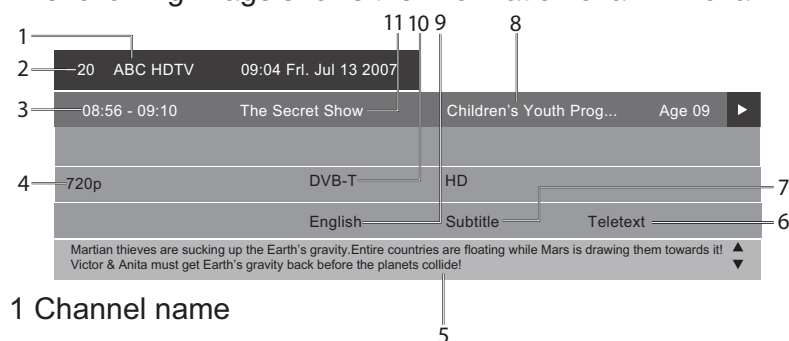
The channel list shows the stored/set channels. The channel list is displayed with **CH LIST**.

Select the desired channel with ▲ or ▼, confirm with **OK**.

Information screen

Press **i/DISPLAY** to display the DTV channel information.

The following image shows the information of a DVB channel.



1 Channel name

2 Channel number

3 Program duration

4 Video format

5 Program information

6 DVB teletext available

7 DVB subtitles available

8 Child lock (if available)

9 Audio language

10 Signal type

11 Program title

Audio/Subtitle language for DVB program.

If the current program has more than one audio/subtitle language then you can change it with

**NICAM** or **SUBTITLE**

Press **NICAM** many times to select the audio language.

Press **SUBTITLE** to select the subtitle language.

Teletext is sent page-wise. This device can automatically store up to 1000 pages but they can be accessed only after they are stored. This could take some time.


### **Fastext/TOP text**

Fastext/TOP text is teletext with a special tab. There are four color fields (red, green, yellow and blue) at the bottom of the screen. These fields directly lead to the pages displayed in them. The colored buttons on the remote control correspond to the respective colored fields on the screen. Press the corresponding colored button to display the desired teletext page.

Switch teletext on/off .

Teletext is not sent by all channels.

Select a channel that sends teletext.

Press the /TTX button. A teletext page is displayed. (If „100“ is displayed without text information then it could mean that the selected channel does not support teletext).

Press /TTX again . The teletext and the TV picture is displayed at the same time.

Press /TTX again to switch off teletext.

### **Note:**

You cannot select any other programs/channels as long as teletext is active. Deactivate teletext if you wish to switch to another channel.

Unlike analogue TV, DVB can send program information. EPG displays this information for the set channel for the next 7 days. Select the desired programs in the right column of the program guide with the green button. The TV will automatically switch to the selected program when it starts. Analogue cable TV does not send this information. Therefore, EPG is not available for analogue cable reception.

# 1 Press **SOURCE** button and select **DTV**.

Press OK button.

Select desired channel.

Press **EPG** button once. The program guide will appear. The channel is selected whose information is displayed in the right column.

Select the desired channel in the left column with cursor keys (▲/▼).

The information of the selected channel will be displayed in the right column.

# 2 Press **SOURCE** button and select **DTV**.

If information is not displayed for the selected channel then press the **OK** button. The TV will switch to this channel. The available information will be displayed for this channel a few seconds later.

# 3 Go to the right column with ►.

Select the desired program in the right column with ▲/▼.

Then press the green button. A symbol for confirmation will appear on the left next to the time.

The selected channel will appear in the timer list (see next page). If you wish, switch to the timer list to edit further e.g. to delete the selection (see next page).

A text message (reminder) will appear on the screen shortly before starting the selected program.

# 4 Blue button: EPG display forwards day-wise.

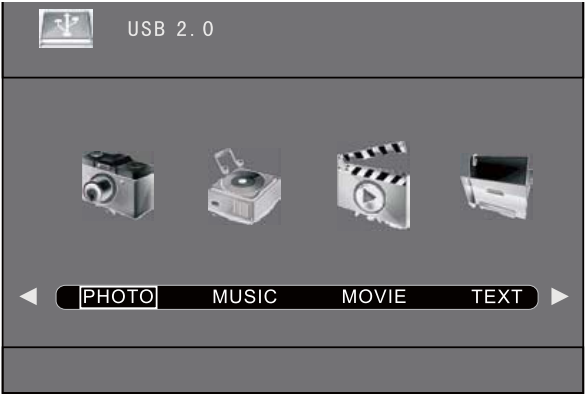
Yellow button: EPG display backwards day-wise.

Disable **EPG** display: Press EXIT button.

7 Day TV GUIDE			
20:40 - 22:10 02 Sep 2007		Not Supported	
Dokumentation Großbritannien 2004			
02 Sep 2007 20:55:26		02 Sep 2007	
800 arte	20:40-22:10	Agatha Christie-Mein Leben in Bildern	Now
801 MDR FERNSEH...	22:10-00:05	Saturday Night Fever	Next
802 NDR FERNSEH...			
<div>RemindPrev DayNext DayMove ViewDisplayDetailsEXITExit</div>			



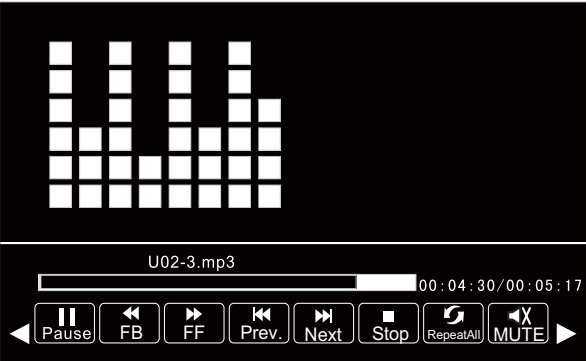
Insert USB-stick to USB port.  
Press SOURCE button to select USB  
with▲/▼.  
Press OK button.  
Media Selection



File Selection



Playback screen



Playback files

- 1 Select Photo, Music, Film or Text with ◀/▶.  
Then press OK.
- 2 Select a file with ▲/▼/◀/▶. Then press OK.

Key	Response
▲/▼/◀/▶	Cursor keys
OK	Confirm
▶	Play/Pause
■	Stop
▶▶	Next file
◀◀	Previous file
▶▶	Forward
◀◀	Rewind
i/DISPLAY	Display on/off.



Photo	
Option	Response
Pause/Play	Pause / Play
Prev.	Prev.
Next	Next
Stop	Stop
RepeatAll	Select the repeat mode (all/off/current title)
Music	Background music on/off
Playlist	Playback list
Info.	Display available information
Rotate	Rotate clockwise 90 deg.
Rotate	Rotate anti-clockwise 90 deg
Zoom In	Enlarge
Zoom Out	Reduce
Move	Shift enlarged view
MUSIC	
Option	Response
Pause/Play	Pause / Play
FB	Fast rewind
FF	Fast forward
Prev.	Previous file
Next	Next file
Stop	Stop
RepeatAll	Select the repeat mode (all/off/current title)
STUMM	Mute on/off
Playlist	Playback list
Info.	Display available information
Goto Time	Time jump

## File Playback

Film	
Option	Response
Pause / Play	Pause / Play
FB	Fast rewind
FF	Fast forward
Prev.	Previous file
Next	Next file
Stop	Stop
CharSet	Only when supported by file
RepeatAll	Select the repeat mode (all/off/current title)
Set A	Determine start/end of the scene repetition
Playlist	Playback list
Info.	Display available information
Vor	Slow motion
Rück	Single step
Goto Time	Time jump
Zoom in	Enlarge
Zoom out	Reduce
Bildformat	Picture format
Bewegen	Shift enlarged view
TEXT	
Option	Response
Prev. page	Back
Next page	Next
Prev.	Previous file
Next	Next file
Stop	Stop
CharSet	Change CharSet if supported
Music	Background music on/off
Playlist	Playback list

File type	File format	Video codec	Audio codec	Remark
Film	.mpg	MPEG-1, MPEG-2	MP3, AAC	Maximum resolution: 768×576
	.mp4	MPEG-4 H.264		Maximum resolution: 1920×1080
Music	.mp3	--	MP3	Scanning frequency: 8~48kHz Bit rate 32~320kbps
	.m4a	-	AAC	Scanning frequency: 16~48kHz Bit rate 32~320kbps
Photo	.jpg/	Progressive JPEG		Maximum
	.jpeg	Baseline JPEG		Maximum resolution: 8192×8192
	.bmp	BMP		Maximum resolution 6500×6500
				Pixel depth:
	.png	Without line jump		Maximum
		With line jump		Maximum

## SPECIFICATION

Panel Size	22 inch diagonally
Display Type	LED
Panel Technology	TFT
Panel 60 Hz Vs. 120 Hz	60 Hz
Display Resolution	1920 x 1080
Panel Resolution	1920 x 1080
Aspect Ratio	16:9
Dynamic Contrast Ratio-Panel	400:1
Brightness (Centre Typ.) Cd/M <sup>2</sup>	160
Response Time (G To G)	3.5 ms
Lamp Life (Typ. Hours)	25.000 hours
Horizontal Viewing Angle (At CR>10)	160
Vertical Viewing Angle (At CR>10)	110
Wall-mount(LxW-mm)	100*100(mm)



This symbol indicates that the relevant electrical product or battery should not be disposed of as general household waste in Europe. To ensure the correct waste treatment of the product and battery, please dispose them in accordance to any applicable local laws of requirement for disposal of electrical equipment or batteries. In so doing, you will help to conserve natural resources and improve standards of environmental protection in treatment and disposal of electrical waste (Waste Electrical and Electronic Equipment Directive)



Products with the CE marking comply with the EMC Directive (2004/108/EC) and the Low Voltage Directive (2006/95/EC) issued by the Commission of the European Community.

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## Service and support

For information: [www.lenco.com](http://www.lenco.com)

For support: <http://lencosupport.zendesk.com>

Lenco helpdesk:

Germany	0900-1520530	(Local charges)
The Netherlands	0900-23553626	(Local charges + 1ct p/min)
Belgium	02-6200115	(Local charges)
France	03-81484280	(Local charges)

The helpdesk is accessible from Monday till Friday from 9 AM till 6 PM.

When contacting Lenco, you will always be asked for the model and serial number of your product. The serial number can be found on the back of the device. Please write down the serial number below:

Model: LED-2201 TV

Serial number: \_\_\_\_\_

Lenco offers service and warranty in accordance to European law, which means that in case of repairs (both during and after the warranty period) you should contact your local dealer.

Important note: It is not possible to send products that need repairs to Lenco directly.

Important note: If this unit is opened or accessed by a non-official service center in any way, the warranty expires.

This device is not suitable for professional use. In case of professional use, all warranty obligations of the manufacturer will be voided.

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